

PATENT
USPTO Serial No. 09/788,252 **IBM Docket No. JP9-1999-0748**

Listing of Claims (Indicating Status and Amendments):

1. (Cancelled)

1 2. (Currently amended) A method for collecting and displaying information concerning
2 power consumption of a battery pack, enabled for producing information of its condition,
3 that is connected to an electronic device on a display, said electronic device having a
4 display and driven being powered by an AC adapter or [[a]] said battery pack, said
5 method enabling the sending of information concerning power consumption during
6 intervals when AC adapter power is being supplied, said method comprising the steps
7 of:

8 intermittently stopping supply of electrical power by said AC adapter for a
9 predetermined time, when said AC adapter is supplying electrical power to said
10 electronic device, so as to temporarily force supply of said electric power to said
11 electronic device to be from said battery pack;

12 obtaining information concerning a power consumption value from said battery
13 pack during said interval; and,

15 displaying said information concerning the power consumption value on said
16 display, whereby battery information is collected and displayed that is not
17 influenced by electrical power from said AC adapter.

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1 3.(Currently amended) The method according to Claim 2, comprising the further step of:
2 processing said information concerning the power consumption value obtained from
3 said battery pack prior to displaying said information on said display and where the
4 interval between stopping the supply of AC Adapter power is 10 seconds or more and
5 the duration of stopping is two seconds or less.

4. (Canceled)

5.(Canceled)

6.(Canceled)

1 7.(Currently amended) An electronic device driven by an AC adapter or a battery pack
2 enabling enabled for the sending of information concerning battery power
3 consumption, comprising:

4 a signal controllable switch connected between said AC adapter and said
5 electronic device for shutting off electric power supplied from said AC adapter in
6 response to a control signal and selecting power supply from said battery pack
7 for a predetermined time;

8 a micro-controller for outputting a control signal intermittently to said switch for a
9 predetermined time interval so as to shut off said AC adapter electric power to
10 said electronic device, and for receiving information concerning a power
11 consumption value from said battery pack and outputting said information
12 concerning power consumption; and
13 a display for displaying information concerning the power consumption value
14 output from said micro-controller, whereby information concerning the battery

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15 pack is obtained without the influence of the AC adapter.

8.(Cancelled)

9.(Cancelled)

1 10.(Currently amended) An electronic device comprising:
2 a battery pack enabled to communicate information concerning battery power
3 consumption;
4 a power supply having an AC adapter and said battery pack;
5 a line coupled to said electronic device for supplying electric power to said
6 electronic device from said battery pack which supplies electric power when the AC
7 power is lost;
8 a controllable switch for shutting off electric power supplied from the AC adapter,
9 in response to a control signal, and, thereby, selecting power from said battery pack for
10 a predetermined time;
11 a controller, coupled to said battery pack and said controllable switch, which
12 disables intermittently applies a control signal to said switch for a predetermined time
13 interval so as to shut off the power from the AC adapter to said electronic device and,
14 during said time interval receives power consumption information from said battery
15 pack, and outputs said information concerning power consumption if said line is used to
16 supply electric power; and
17 a display, coupled to said communication controller, which displays power
18 consumption information output from said controller in one of the formats
19 selected from the group consisting of a line graph, a bar graph and value information
20 whereby information of battery condition is displayed which is not influenced by the AC
21 adapter.

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1 11.(Currently amended) The electronic device according to Claim 10, wherein said
2 controller reduces the frequency of collection of power consumption information when
3 said electronic device is powered by said battery pack whereby unnecessary battery
4 performance degradation is avoided solely due to the collection and display of power
5 consumption data and wherein the electronic device has power saving that is normally
6 active when the battery pack is powering said electronic device, which is signalled to be
7 inactive during said interval.

12.(Canceled)

13.(Canceled)